Dimensions[®] Platform



Better Detection. Clinically Superior. Low Dose.

The Hologic's 3Dimensions[™] mammography system represents the next evolution of our 3D[™] platform. It is based on the Selenia[®] Dimensions[®] platform so that customers can continue to benefit from more than 10 years of real-world learnings, as well as the clinical evidence and functional enhancements acquired over this time. In addition to all of the current benefits, the latest system includes additional advantages in terms of improved image clarity, personalised patient experience and enhanced workflow that are available as upgrades to existing Selenia[®] Dimensions[®] systems.*

3Dimensions[™] Mammography System

To keep you and your patients at the forefront of breast cancer screening, 3Dimensions[™] is our latest and most advanced system. The system is designed to increase clinical confidence with improved image clarity and enhanced workflow features, while transforming your patients breast imaging experience.

Selenia® Dimensions® System

For a time-tested and flexible solution, Hologic offers you the Selenia® Dimensions® system, the **#1** 3D Mammography™ system in the world used by over 7000 clinical sites. The system comes in two main configurations and a range of options to meet every need.



*Some product enhancements may not be available to all Selenia® Dimensions® systems. Some 3Dimensions™ workflow enhancements are not backward-compatible with Selenia® Dimensions® systems. The comfort and clarity enhancements are available to Selenia® Dimensions® systems as an upgrade option. Consult your local Hologic representative for additional details.

Imaging, Workflow and Acquisition Workstation Features

| | Dimen | sions Pa | ckages |
|---|-----------------------------------|---------------------------|------------------------|
| Initial Imaging Modes | 3Dimensions [™] 2D/3D | 6000 2D/3D ¹¹⁴ | Avia [™] 3000 |
| Full Field Digital Mammography (FFDM) | | | |
| 2D Screening | • | • | • |
| 2D Diagnostic | • | • | 0 |
| 3D Mammography [™] Exam | | | _ |
| 3D [™] Screening Standard Resolution | | | |
| Combo (3D + FFDM) | • | 0 | 0 |
| TomoHD, Low-dose screening with C-View [™] synthesised 2D imaging software (3D [™] exam + C-View [™]) | • | 0 | 0 |
| ComboHD (3D™ exam + FFDM + C-View™) | • | 0 | 0 |
| 3D [™] Screening High Resolution | | | |
| Combo (3D [™] + FFDM) | • | 0 | 0 |
| TomoHD, Low-dose screening with Intelligent 2D [™] synthesised 2D imaging software (3D [™] exam + Intelligent 2D [™]) | • | 0 | 0 |
| Combo (3D [™] exam + FFDM + Intelligent 2D [™]) | • | 0 | 0 |
| 3D Mammography [™] Diagnostic | • | 0 | 0 |
| Patient Comfort | | | |
| SmartCurve [™] Breast Stabilization System | • | 0 | 0 |
| Biopsy Solutions | | | |
| Stereotactic 2D biopsy | 0 | 0 | 0 |
| Tomosynthesis biopsy | 0 | 0 | 0 |
| Contrast Enhanced 2D (CE2D) | | | |
| CE2D imaging with I-View [™] 2.0 software | 0 | 0 | 0 |
| CE2D imaging combined with 3D™ Diagnostic: (CE2D+3D™ exam) | 0 | 0 | 0 |

| | Dimen | sions Pa | ckages |
|---|--------------------------|-------------------------|------------------------|
| Workflow Solutions | 3Dimensions [™] | 6000 2D/3D [™] | Avia [™] 3000 |
| Software Licenses | | | |
| Advanced Connectivity License Package: MPPS License Radiation Dose SR License | • | 0 | • |
| Notices License | • | 0 | 0 |
| Diagnostic Imaging License | • | • | ▼ |
| Dynamic Tube Head Motion License | | ▼ | |
| 3D Mammography [™] exam imaging options | | | |
| Tomosynthesis Imaging License (Standard resolution) | • | 0 | • |
| Clarity HD™ License (Higher resolution)* | • | ▼ | ▼ |

Additional Options⁺

Quality Control Manual DICOM Conformance Statement

| Biopsy°■▲^ | Advanced Imaging | | |
|--|---|--|--|
| Affirm® upright breast biopsy system | C-View [™] software license for Low- | | |
| Advanced Diagnostics ^{▼■▲} ^ | dose 3D Mammography™ Imaging | | |
| I-View [™] software license for | Intelligent 2D [™] imaging technology*,# | | |
| Contrast Enhanced 2D Imaging | Image Analytics | | |
| L | Cenova [™] server | | |
| Documentation | ImageChecker [®] CAD for C-View [™] | | |
| Manuals and Reference Documents | 2D License/Intelligent 2D [™] imaging technology license | | |
| User Manual | Quantra [™] 2D and 3D [™] breast density | | |
| Service Manual | analysis software license | | |

| | Dimen | sions Pa | ckages |
|--|--------------------------|-------------|------------------------|
| System Features | 3Dimensions [™] | 5000 2D/3D™ | Avia ¹ 3000 |
| | 31 | ŭ | |
| Working Environment Powered height adjustment | • | • | • |
| Powered memory height adjustment | 0 | 0 | • |
| Biometric login | 0 | 0 | • |
| Integrated barcode reader | 0 | 0 | 0 |
| Flat work surface | • | • | • |
| Stowable keyboard drawer | • | • | • |
| Stationary gantry controls | • | • | • |
| Smart positioning in MLO | • | • | • |
| Field light improvements in biopsy | • | 0 | 0 |
| Ease of manual paddle decompression | • | • | • |
| X-Ray exposure foot switch | • | • | 0 |
| X-Ray tabletop large button (2) | • | • | • |
| Safety Features | | | |
| Emergency stop button | • | • | • |
| Emergency compression release button | • | • | • |
| System Control | | | |
| Left/right control position selection | • | • | • |
| Keyboard and mouse | • | • | • |
| 1.2 MP color LCD control monitor | • | • | • |
| LCD touch-screen controls | • | 0 | • |
| Image Monitor | | | • |
| 2 MP medical-grade color LCD display | • | | - |
| 3 MP medical-grade color LCD display | • | 0 | 0 |
| Image monitor tilt and swivel | • | • | • |
| Fixed arm | + | • | • |
| Dual-articulating swing-arm | • | 0 | 0 |
| Left/right image monitor position selection | • | • | • |
| Radiation Protection Integrated leaded acrylic X-ray shield; H x W: 219 cm x 86 cm (86 in x 34 in) | • | • | • |
| Lead equivalence: 0.5 mm | • | • | • |
| Installation Flexibility | | | - |
| Mobile coach travel kit | 0 | 0 | 0 |
| <u></u> | | | |

| | | | Imag | jing M | odes | | |
|--|-----|------|-------|--------|---------|------|---------------|
| Image Acquisition | 2D | 3D™ | Combo | TomoHD | ComboHD | CE2D | CE2D Combo |
| Parameters | | | | | | | |
| 3D™ exam Scan Angle (°) | | 15° | 15° | 15° | 15° | | 15° |
| 3D™ exam Projection Images | | 15 | 15 | 15 | 15 | | 15 |
| 3D™ exam Scan Time | | 3.7s | 3.7s | 3.7s | 3.7s | | 3.7s |
| Cycle Time, Exposure to Exposure | 26s | 30s | 40s | 30s | 40s | 33s | 42s |
| Time to 2D Image View | 10s | | 22s | | 22s | 11s | 25s |
| Time to 3D™ exam Slice View | | 11s | 11s | 11s | 11s | | 11s |
| Time to C-View [™] 2D Image View | | | | 21s | | | |
| Time to CE2D Subtraction Image View | | | | | | 14s | 28s |
| Based on ACR phantom 4.2 cm compressed breast. | | | | | | | |

System Options and Accessories

| | Dimer | isions Pac | :kages |
|---|--------------------------|--------------------------|-------------------------|
| Paddles and Accessories | 3Dimensions [™] | 6000 2D/3D ¹¹ | Avia ¹⁰ 3000 |
| Screening Compression Paddles | | | |
| 24x29 cm Screening Paddle | • | • | • |
| 18x24 cm Screening Paddle | • | • | • |
| Small Breast Screening Paddle | • | • | • |
| Comfort options | | | |
| MammoPad® Starter Pack | • | • | • |
| Diagnostic Compression Paddles | | | |
| 10 cm Contact Paddle | • | • | 0 |
| 15 cm Contact Paddle | 0 | 0 | 0 |
| 7.5 cm Spot Contact Paddle | • | 0 | 0 |
| Frameless Spot Contact Paddle | • | 0 | 0 |
| Magnification Compression Paddles | | | |
| 10 cm Magnification Paddle | • | • | 0 |
| 15 cm Magnification Paddle | 0 | 0 | 0 |
| 7.5 cm Spot Magnification Paddle | • | 0 | 0 |
| Localization Compression Paddles | | | |
| 10 cm Open Localization Paddle | 0 | 0 | 0 |
| 15 cm Open Localization Paddle | 0 | 0 | 0 |
| 10 cm Open Magnification Localization Paddle | 0 | 0 | 0 |
| 10 cm Perforated Localization Paddle | 0 | 0 | 0 |
| 15 cm Perforated Localization Paddle | 0 | 0 | 0 |
| 10 cm Perforated Magnification Localization Paddle | 0 | 0 | 0 |
| Ultrasound Compression Paddles | | | |
| Ultrasound Paddle | 0 | 0 | 0 |
| Imaging Accessories | | | |
| Magnification Platform | • | • | 0 |
| Localization Cross-hairs | 0 | 0 | 0 |
| Magnification Localization Cross-hairs | 0 | 0 | 0 |
| Other Accessories | | | |
| Dual-function footswitches (2) | • | • | • |
| | | | |

Software/Connectivity

| DICOM Services |
|--|
| Print |
| Query |
| Storage |
| Storage Commitment |
| Worklist |
| |
| IHE Profiles |
| Mammography Image |
| |
| Mammography Image Patient Information |
| Mammography Image Patient Information Reconciliation |

Additional Options

| Workflow Management |
|--|
| Advanced Workflow Manager server and license package |
| Advanced Workflow Manager additional licenses |

General Operating Conditions

| Temperature Range | 20°C to 30°C (68°F to 86°F) |
|---------------------------------|-----------------------------|
| Max. Rate of Temperature Change | <10°C / hr (50°F) |
| Relative Humidity Range | 20% to 80% non-condensing |

Electrical Specifications

| System Protection | |
|-------------------------|--|
| Integrated UPS | 1000 VA |
| Electrical Requirements | |
| Input Line Voltage | 100/120/220/230/240 VAC |
| Input Current | 2.0 A max. @ 200/220/230/240 VAC 3.5 A max. @ 100/120 VAC |
| Frequency | 50/60 Hz |

General Specifications

| Computer and Reconstruction Subsystem | | | |
|---------------------------------------|---|--|--|
| Design | Fully integrated, zero footprint | | |
| СРИ Туре | Multi-core Intel | | |
| Memory | 8 GB RAM (min): 3000 16 GB RAM (min): 6000 3Dimensions™ | | |
| Hard Drive | 1.0 TB (min.) | | |
| Operating System | Windows 10 | | |
| Ethernet | 10/100/1000 base-T | | |
| Removable Storage | CD/DVD+/- R/W | | |
| USB Ports | Dual USB 2.0 | | |
| Local Image Buffer Capacity | | | |
| Image buffer | 2D: [~] '9,000 4-view studies; 3D™: ~3,000 | | |
| Graphics Processors [■] * | | | |
| Advanced capabilities | Generated 2D Imaging | | |

● – Standard

- O –Optional capability, sold separately
- Recommended for biopsy and contrast applications.
- ♦ Not available
- Not for Mobile
- ★ At time of initial order only.
- Optional future capability, sold separately. Not available at the time of initial purchase. Please consult your local Hologic sales representative for details on additional requirements.
- Please consult your local Hologic Sales representative for details on requirements.
- # not compatible with standard resolution 3D Mammography™ imaging
- Optional future capability, sold separately for the 3000 package. Not available at the time of initial purchase. Please consult your local Hologic sales representative for details on additional requirements.

X-ray Gantry Specifications

Gantry Mechanics

| C-Arm | |
|-----------------------------------|---|
| Design▼ | Split C-arm, biopsy and tomosynthesis capable |
| Vertical Range | 70.5 cm +5.1/-0 cm (27.75 in +2.0/-0 in) to 141 cm +0/-17.8 cm (55.5 in +0/-7.0 in) |
| Vertical Travel | Motorized |
| Rotation | 2D: +195° to -155° Biopsy and 3D™ exam: +180° to -140° |
| Source-Image Distance (SID) | 70 cm |
| Patient Face Shield | 2D: Removable 3D [™] exam: Retractable and removable |
| Breast Compression | |
| Modes of Operation | Selected by Operator |
| Pre-compression Range | 67 to 134 N (15 lbs to 30 lbs) |
| Full-compression Range | 89 to 178 N (20 lbs to 40 lbs) |
| Dual-compression Function | 1st activation: pre-compression Subsequent activations: incremental increase up to full-compression |
| Manual-compression Force Limit | 300 N (67.4 lbs) maximum |
| Compression Tilt | Standard or FAST paddle [™] mode, User-selectable |
| Magnification | |
| Platform | Lightweight carbon fiber with frame |
| Magnification Factors | 1.5x, 1.8x |
| X-ray Collimation | |
| Collimation Modes | Fully-automatic or User-selectable |
| Pre-defined Collimation Sizes | 24x29 cm, 18x24 cm 15x15 cm, 10x10 cm, 7x8.5 cm^, 18x29 cm^ |

Digital Image Receptor

| TechnologyTypeTFT-based direct captureX-ray Absorption MaterialAmorphous seleniumImage Receptor SizeSingle plate 24 cm x 29 cmPixel Size70 microns FFDM, 70 microns (high-resolution tomo), 100 microns (standard resolution tomo)Limiting Spatial Resolution2D: 7.1 lp/mm 3D [™] exam: 3.5 lp/mmDynamic RangeLinear response over 400:1 in X-ray exposureCaptured Image Bit Depth14-bitsSaturation X-ray Exposure Level> 500 mRImage Capture Geometry24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter GridLinear grid (3Dimensions [™] and new Selenia® Dimensions [®])Grid StructureLinear grid (3Dimensions [™] and new Selenia® Dimensions [®])Storage Environment10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change10% to 80%, non-condensing | | | |
|--|---------------------------------|--|--|
| X-ray Absorption MaterialAmorphous seleniumImage Receptor SizeSingle plate 24 cm x 29 cmPixel Size70 microns FFDM, 70 microns (high-resolution tomo), 100 microns (standard resolution tomo)Limiting Spatial Resolution2D: 7.1 lp/mm 3D [™] exam: 3.5 lp/mmDynamic RangeLinear response over 400:1 in X-ray exposureCaptured Image Bit Depth14-bitsSaturation X-ray Exposure Level> 500 mRImage Capture Geometry24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter GridLinear grid (3Dimensions [™] and new Selenia [®] Dimensions [®])Grid BehaviorAuto-retracts for magnified 2D and all 3D [™] exam viewsStorage Temperature Range10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change<10° C per hour | Technology | | |
| Image Receptor SizeSingle plate 24 cm x 29 cmPixel Size70 microns FFDM, 70 microns (high-resolution tomo), 100 microns (standard resolution tomo)Limiting Spatial Resolution2D: 7.1 lp/mm 3D [™] exam: 3.5 lp/mmDynamic RangeLinear response over 400:1 in X-ray exposureCaptured Image Bit Depth14-bitsSaturation X-ray Exposure Level> 500 mRImage Capture Geometry24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter GridLinear grid (3Dimensions [™] and new Selenia® Dimensions [®])Grid BehaviorAuto-retracts for magnified 2D and all 3D [™] exam viewsStorage Temperature Range10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change<10° C per hour | Туре | TFT-based direct capture | |
| Pixel Size70 microns FFDM, 70 microns (high-resolution tomo), 100 microns (standard resolution tomo)Limiting Spatial Resolution2D: 7.1 lp/mm 3D [™] exam: 3.5 lp/mmDynamic RangeLinear response over 400:1 in X-ray exposureCaptured Image Bit Depth14-bitsSaturation X-ray Exposure Level> 500 mRImage Capture Geometry> 500 mRNon-magnified24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter GridLinear grid (3Dimensions [™] and new Selenia® Dimensions [®])Grid BehaviorAuto-retracts for magnified 2D and all 3D [™] exam viewsStorage Temperature Range10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change< 10° C per hour | X-ray Absorption Material | Amorphous selenium | |
| Pixel Size(high-resolution tomo), 100 microns (standard resolution tomo)Limiting Spatial Resolution2D: 7.1 lp/mm 3D [™] exam: 3.5 lp/mmDynamic RangeLinear response over 400:1 in X-ray exposureCaptured Image Bit Depth14-bitsSaturation X-ray Exposure Level> 500 mRImage Capture Geometry> 500 mRNon-magnified24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter GridIinear grid (3Dimensions [™] and new Selenia® Dimensions [®])Grid StructureLinear grid (3Dimensions [™] and new selenia® Dimensions [®])Storage Environment10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change< 10° C per hour | Image Receptor Size | Single plate 24 cm x 29 cm | |
| Limiting Spatial Resolution3D* exam: 3.5 lp/mmDynamic RangeLinear response over 400:1 in X-ray exposureCaptured Image Bit Depth14-bitsSaturation X-ray Exposure Level> 500 mRImage Capture Geometry> 500 mRNon-magnified24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) left, center and right positionsAnti-scatter GridInear grid (3Dimensions** and new Selenia* Dimensions*)Grid StructureLinear grid (3Dimensions** and new Selenia* Dimensions*)Storage Environment10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change< 10° C per hour | Pixel Size | (high-resolution tomo), 100 microns | |
| Dynamic RangeexposureCaptured Image Bit Depth14-bitsSaturation X-ray Exposure Level> 500 mRImage Capture Geometry> 500 mRImage Capture Geometry24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter Grid18 cm x 24 cm (2560 x 3328) center positionGrid StructureLinear grid (3Dimensions [™] and new Selenia® Dimensions [®])Grid BehaviorAuto-retracts for magnified 2D and all 3D [™] exam viewsStorage Environment10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change< 10° C per hour | Limiting Spatial Resolution | | |
| Saturation X-ray Exposure Level> 500 mRImage Capture Geometry24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter Grid18 cm x 24 cm (2560 x 3328) center positionGrid StructureLinear grid (3Dimensions [™] and new Selenia® Dimensions [®])Grid BehaviorAuto-retracts for magnified 2D and all 3D [™] exam viewsStorage Environment10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change | Dynamic Range | | |
| Image Capture GeometryNon-magnified24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter Grid18 cm x 24 cm (2560 x 3328) center positionGrid StructureLinear grid (3Dimensions [™] and new Selenia [®] Dimensions [®])Grid BehaviorAuto-retracts for magnified 2D and all 3D [™] exam viewsStorage Environment10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change<10° C per hour | Captured Image Bit Depth | 14-bits | |
| Non-magnified24 cm x 29 cm (3328 x 4096) center position 18 cm x 24 cm (2560 x 3328) left, center and right positionsMagnified18 cm x 24 cm (2560 x 3328) center positionAnti-scatter Grid18 cm x 24 cm (2560 x 3328) center positionGrid StructureLinear grid (3Dimensions™ and new Selenia® Dimensions®)Grid BehaviorAuto-retracts for magnified 2D and all 3D™ exam viewsStorage Environment10° C to 30° C (50° F to 86° F)Maximum Rate of remperature Change<10° C per hour | Saturation X-ray Exposure Level | > 500 mR | |
| Non-magnifiedcenter position 18 cm × 24 cm (2560 × 3328) left, center and right positionsMagnified18 cm × 24 cm (2560 × 3328) center positionAnti-scatter GridIthear grid (3Dimensions™ and new Selenia® Dimensions®)Grid StructureLinear grid (3Dimensions®)Grid BehaviorAuto-retracts for magnified 2D and all 3D™ exam viewsStorage Environment10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change< 10° C per hour | Image Capture Geometry | | |
| Magnified position Anti-scatter Grid Linear grid (3Dimensions™ and new Selenia® Dimensions®) Grid Structure Auto-retracts for magnified 2D and all 3D™ exam views Storage Environment Storage Temperature Range Storage Temperature Range 10° C to 30° C (50° F to 86° F) Maximum Rate of Temperature Change < 10° C per hour | Non-magnified | center position 18 cm x 24 cm (2560 x 3328) left, | |
| Grid StructureLinear grid (3Dimensions [™] and new Selenia [®] Dimensions [®])Grid BehaviorAuto-retracts for magnified 2D and all 3D [™] exam viewsStorage EnvironmentStorage Temperature RangeStorage Temperature Range10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change< 10° C per hour | Magnified | | |
| Grid Structure Selenia® Dimensions®) Grid Behavior Auto-retracts for magnified 2D and all 3D™ exam views Storage Environment 3D™ converting | Anti-scatter Grid | | |
| Storage Environment 3D™ exam views Storage Temperature Range 10° C to 30° C (50° F to 86° F) Maximum Rate of Temperature Change < 10° C per hour | Grid Structure | | |
| Storage Temperature Range10° C to 30° C (50° F to 86° F)Maximum Rate of Temperature Change< 10° C per hour | Grid Behavior | | |
| Maximum Rate of Temperature Change <10° C per hour | Storage Environment | | |
| Temperature Change < 10° C per hour | Storage Temperature Range | 10° C to 30° C (50° F to 86° F) | |
| Relative Humidity Range 10% to 80%, non-condensing | | < 10° C per hour | |
| | Relative Humidity Range | 10% to 80%, non-condensing | |

X-ray Subsystem

| Integrated Generator | |
|---------------------------|---|
| Design | Zero footprint, fully integrated |
| Туре | Constant Potential High Frequency Inverter |
| Rating | 7.0 kW max. (ISOwatt); 200 mA @ 35 kV |
| Electrical Power Capacity | 9.0 kW max. |
| kV Range | 2D: 20 to 39 kV, 2D, 1 kV steps (0.5 kV steps option) 3D [™] : 20 to 49 kV, 2D, 1 kV steps |
| mAs Range | 3.0 to 500 mAs |
| mA Range | 200 mA, large focal spot 50 mA, small focal spot+ |
| X-ray Tube | |
| Anode Type | Tungsten, rotating |
| Anode Design | Bi-angular |
| Anode Speed | 9500 RPM (high speed) |
| Heat Capacity | 222 kJ (300,000 HU) |
| Target Tube Angle | 16°, large focal spot; 10°, small focal spot+ |
| Focal Spot Size | 0.3 mm, large focal spot; 0.1 mm, small focal spot+ |
| Filtration | 0.05 mm Rhodium (Rh) 0.05 mm Silver (Ag) 0.70 mm Aluminum (Al) (3D [™] exam) 0.30 mm Copper (Cu) (CE2D) |
| Port | 0.63 mm Beryllium |
| Electrical Requirements | |
| Input Line Voltage | 200/209/220/230/240 VAC |
| Input Current | 3.5 A standby65 A for 5 s at 208 VAC40 A max. breaker rating |
| Frequency | 50/60 Hz ± 5% |
| Number of Phases | Single, permanently wired |

X-ray Control

| Exposure Modes | |
|------------------|--|
| Manual | User selects all parameters |
| Auto-Time | System selects mAs; User selects filter, kV |
| Auto-kV | System selects kV, mAs; User selects filter |
| Auto-Filter | System selects filter, kV, mAs |
| X-ray Activation | Single exposure, either table-top button or Integrated footswitch* |

• - Standard

- O Optional capability, sold separately
- Recommended for biopsy and contrast applications.
- ◆ Not available
- Included in kit.
- Not for Mobile
- \star At time of initial order only.
- Optional future capability, sold separately. Not available at the time of initial purchase. Please consult your local Hologic sales representative for details on additional requirements.
- # not compatible with standard resolution 3D™ imaging

Product Information

Optional equipment.

Imaging Technology:

3Dimensions[™] Mammography System

- The 3Dimensions™ system is available for purchase as a 2D or 3D configuration, with 2D imaging capabilities.*
- File sizes will increase with the higher-resolution imaging mode. Larger file size may require additional hardware or software. Consult your local Hologic representative.
- Clarity HD™ high-resolution 3D Mammography™ imaging is a standard on 3Dimensions™ systems.*

Clarity HD[™] high-resolution 3D[™] imaging

- Standard with all 3Dimensions systems.**
- Being a combination of both software and hardware, Clarity HD[™] is an upgradeable option for existing Selenia[®] Dimensions[®] systems.
- Clarity HD[™] is a prerequisite for Intelligent 2D[™] imaging technology it is not compatible with C-View[™] software.
- Requires minimum software v1.9.
- File sizes will increase with the higher resolution imaging mode. Larger file size may require additional hardware or software. Consult your local Hologic representative.

Intelligent 2D[™] Imaging Technology, powered by A.I.

As with any innovation and technology update, planning and education is essential. Visit www.hologiced.com/breast-health for more details. Requirements:

- 3D Mammography[™] system with Clarity HD[™] high-resolution 3D[™] imaging at software level 1.9.0 or higher. The 3D Mammography[™] system acquisition workstation hardware minimums apply.
- Output: DICOM Digital Mammography Image (MG) or DICOM Breast Tomosynthesis Image (BTO).
- Flexible Configurations: Output to SecurView® DX diagnostic workstation and PACS.

Options:

- Intelligent 2D[™] Imaging Technology is an option within Hologic 3D Mammography[™] exams and its 2D images are always read together with the Clarity HD[™] high-resolution 3D images.
- Cenova[™] software v3.0 is required for existing Cenova systems, for those who implement Intelligent 2D[™] imaging technology with Clarity HD[™] high-resolution 3D[™] imaging.

3DQuorum[™] powered by Genius A.I.[™]

3DQuorum[™] technology utilises Genius Al[™]. Powered analytics to reconsturct high-resolution 3D Mammography[™] data to produce 6mm SmartSlices. 3DQuorum[™] technology reduces the typical Hologic Clarity HD[™] and Intelligent 2D[™] study size, bringing the storage space and network impact down to that of standard resolution 3D[™] imaging.

Requirements:

- 3DQuorum[™] is available only on Selenia[®] DImensions[®] systems with minimum software v.1.0 and Clarity HD[™] 3D Mammography[™] imaging and 3Dimensions[™] systems with minimum software v2.1 and Clarity HD[™] 3D Mammography[™] imaging
- Minimum requirements: Windows 10, ASY-13349 Computer, Dimensions software v.1.10, Reading workstation: Securview[®] v10.4. or Unifi™ Workspace v.10.
- Customers using PACS are recommended to work with individual PACS vendor to ensure succesfull integration.

SmartCurve[™] Breast Stabilization System

- The SmartCurve breast stabilization system is intended for screening and should not be used for biopsy procedures or for contrast enhanced mammography (I-View[™]) procedures. It is not recommended for cleavage views, rolled views, or mosaic views of very large breasts. The standard screening paddles are always included with the system and should be used for cases where the SmartCurve[™] system is not appropriate.
- The SmartCurve[™] breast stabilization system is a standard on 3Dimensions[™] systems.

Requires minimum software v1.9.

Image Analytics:

Quantra[™] 2.2 Breast Density Assessment Software, powered by machine learning

Requirements:

- Integrable on the Selenia® Dimensions® / 3Dimensions™ acquisition workstation with software versions 1.10/2.1 or later
- Cenova[™] customers will need Cenova 3.0 to run Quantra[™] 2.2 for Dimensions systems with software versions 1.9/2.0 or older.
- Minimum requirements: Windows 10, 2 GHz Processor Speed, 4 GB Memory, 130 GB HDD Free Disk Space, DVD-ROM, and a 100 Mbps-capable Network Interface Controller. Quantra 2.2 requires minimum software v1.9.
- Quantra 2.2[™] is only available for images generated by Hologic 3Dimensions[™] and Selenia[®] Dimensions[®] systems.

ImageChecker® CAD

- ImageChecker[®] CAD provides detection for conventional 2D images as well as C-View[™] and Intelligent 2D[™] synthesized images derived from a tomosynthesis dataset.
- ImageChecker[®] CAD is now available on the 3Dimensions[™] and Dimensions[®] systems' AWS^{*} allowing image review at the point of care and eliminating the need for a separate server for customers with minimum 3Dimensions[™] 2.1 or Dimensions[®] 1.10 software.
- DICOM compatible results can be sent directly to the radiologist workstation or PACS upon completion of the exam.

Diagnostic Imaging solutions:

I-View[™] Contrast Enhanced Mammography Imaging

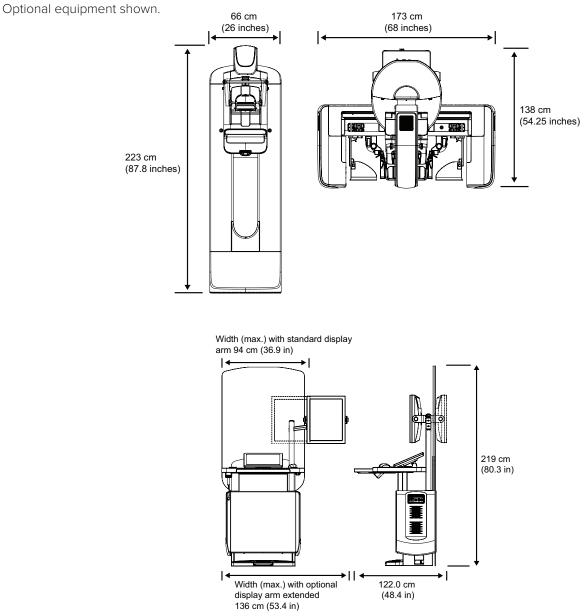
I-View[™] 2.0 Contrast Enhanced Mammography (CEM) imaging is a simple upgrade to any Selenia® Dimensions® and 3Dimensions[™] system, giving breast imaging practices diagnostic capabilities.

Requirements:

- I-View 2.0™ software license
- * Hardware upgrade the incorporation of a copper filter
- 3Dimensions[™] 2.1 or Selenia[®] Dimensions[®] 1.10 software at a minimum
- Computer for system installed required (minimum CMP-01529 for Selenia® Dimensions®; CMP-01503 for 3Dimensions**)
- Possible detector required for older Selenia® Dimensions® systems
- A power injector is recommended (Hologic does not provide this, a third party needs to be contacted to obtain a basic single head power injector).

For smooth implementation of I-View[™] software, please contact your local Hologic Representative.

Dimensions System



Complementary site planning is available with your purchase, including connectivity planning and custom room drawings.

NOTE: The Dimensions platform includes the Selenia® Dimensions® and 3Dimensions[™] mammography systems.

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